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TTITLE 'Network Management Listener entry point'
MODULE NMLSENTRY (IDENT = 'V04-000',
ADDRESSING_MODE (NONEXTERNAL=GENERAL),
ADDRESSING_MODE (EXTERNAL=GENERAL)) =

BEGIN

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FACILITY: DECnet-VAX V2.0 Network Management Listener

ABSTRACT:

This module contains the entry points for the callable interface for the NML sharable image.

ENVIRONMENT: VAX/VMS Operating System

AUTHOR: Tim Halvorsen, July 1981

MODIFIED BY:

V03-006 MKP0007 Kathy Perko 4-Aug-1983 Add support for faster node permanent database.

V03-005 MKP0006 Kathy Perko 20-April-1983 Add support to call MOM for service functions.

V03-004 MKP0005 Kathy Perko 9-Nov-1982 Consolidate two routines that validate the Network Management versions for NML and NCP. Also, update to version 4.0.0.
Add logging of NICE messages to NML\$WATCHER
to keep a running log of all NICE messages handled on a node for as long as watcher is defined.

NMLSENTRY V04-000	Network Management List	ener entry point	15-Sep-1984 14-Sep-1984	23:58:02 12:50:08	VAX-11 Bliss-32 V4.0-742 Page 2 DISK\$VMSMASTER:[NML.SRC]NMLENTRY.B32;1 (1)
58 59 60 61	0058 1 1 V03-003	MKP0004 Kath Change NML so any pe when a command has b	y Perko ermanent database een processed ar	18-October files lefter closed.	-1982 t open
63 64 65 66	0063 1 V03-002 0064 1 0065 1 0066 1	MKP0003 Kath Move assign for NET/ allows NML to proces base even if NETACP	y Perko CP QIO channel t s NCP commands t is not mounted.	8-Septo NML\$NETQ:	-1982 IO. This anent data
68	0068 1 V03-001	MKP0002 Kath Change some global r	y Perko names to make the	16-June	e-1982 ningful.
71 72 73 74	0071 1 V02-002 0072 1 V02-002	MKP0001 Kath Allow NCPs with vers to 3.0 (as well as			
58 59 60 61 62 63 65 65 66 67 70 71 72 73 74 75 77 78	0075 1 V001 0076 1 V007 0077 1 V0078 1 V0079 1 V0079	TMH0001 Tim Change argument to A version number of NI Remove obsolete comm	Halvorsen ML\$INITIALIZE to CE to be spoken, ment.	12-Octon accept the rather the	-1981 e an the phase.

NM VO

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15-Sep-1984 23:58:02
14-Sep-1984 12:50:08
NMLSENTRY
V04-000
                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[NML.SRC]NMLENTRY.B32:1
                          Network Management Listener entry point
                          Declarations
                         *SBTTL 'Declarations'
    TABLE OF CONTENTS:
                                       FORWARD ROUTINE
                                              NMLSINITIALIZE,
NMLSPROCESS NICE:
NMLSTERMINATE:
                                                                                                                           Initialize NML
                                                                                                                         Process a NICE message
Terminate NML
Initialize message logging
Send response to caller
Phase II passive loopback
Phase II NICE processing
Main condition handler
                                                                               NOVALUE.
                                                                               NOVALUE,
                                              NML INITLOG:
NML$SEND,
NML$LOOP2:
                                                                               NOVALUE.
                                                                               NOVALUE,
                                               NML$PHASE2:
                                                                               NOVALUE.
                                              NMLSMAINHANDLER:
                                           INCLUDE FILES:
                                       LIBRARY 'LIBS: NMLLIB':
                                                                                                          ! Facility-wide definitions
                                       LIBRARY 'SHRLIB$: NMALIBRY';
                                                                                                          ! NICE definitions
                                       LIBRARY 'SYS$LIBRARY:STARLET':
                                                                                                          ! VMS common definitions
                                          OWN STORAGE:
    111
                                       OWN
                                              nml$gl_response_rtn,
                                                                                                          ! Address of response action routine
    114
                                             nml$b_ph2link: BYTE INITIAL(false), ! Phase II link flag (true->connected)
nml$w_nicechan: WORD; ! Phase II channel of NICE object
    116
    118
                                          EXTERNAL REFERENCES:
    120
121
1223
1224
1226
1226
1231
1333
1336
1337
                                       $NML_EXTDEF;
                                                                                                      ! Define common external data
                                       EXTERNAL
                                             nml$gq_proprvmsk: BBLOCK [8],
nml$gb_ncp_version: VECTOR [3,BYTE],
npa$gl_logmask,
nml$gw_watcher_chan: WORD,
nml$gq_watcher_dsc;
                                                                                                                      ! NICE version being spoken
                                      EXTERNAL ROUTINE
lib$asn_wth_mbx,
nml$closefile,
nml$change,
nml$v2_compatibility,
nml$debug_msg,
nml$error_1,
nml$logalTpdb,
```

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NMLSENTRY V04-000 : 138 : 139 : 140 : 141 : 142	Network Ma Declaratio 0137 1 0138 1 0139 1 0140 1 0141 1	nagement Listener entry point ins nml\$parse_init, nml\$read, nml\$call_mom, nml\$trnlognum, nml\$zero;	15-sep-1984 23:58:82 14-sep-1984 12:58:88	VAX-11 BLiss-32 V4.0-74 DISKSVMSMASTER: [NML.SR	2 JNMLENTRY.B32;1 (2)

NM

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15-Sep-1984 23:58:02
14-Sep-1984 12:50:08
NMLSENTRY
VO4-000
                                                                                                                                        VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[NML.SRC]NMLENTRY.B32;1
                        Network Management Listener entry point NMLSINITIALIZE Initialization routine
                                     *SBTTL 'NML$INITIALIZE Initialization routine'
                                     GLOBAL ROUTINE NML$INITIALIZE (VERSION) =
    !++
                                                 This is the initialization routine for the DECnet-VAX Network Management Listener. This module initializes the own storage in preparation for processing NICE messages. It also validates the Network Management Version of NICE that the caller (NCP or whoever) is using to talk to NML. If it is a version that this version of NML does not allow, return a version mismatch.
                         0148
0149
0150
0151
                        Inputs:
                                                 version = Address of 3 byte version number of NICE to be spoken.

1.3.0 = NICE V1.3.0 (Phase II)

2.0.0 = NICE V2.0.0 (Phase III)

3.0.0 = NICE V3.0.0 (Phase III with multipoint)

4.0.0 = NICE V4.0.0 (Phase IV) - default
                                        Implicit outputs:
                                                 nml$gb_cmd_ver
                                                                          Indicates which tables to use when parsing the
                                                                          NICE message.
                                        Outputs:
                                                 Returns SS$_BADPARAM (Bad parameter) if there is a version mismatch.
                                                 NML$GQ_PROPRVMSK = Current privilege mask
                                                 NML$GB_NCP_VERSION = NICE version number
                                     BEGIN
                                     BUILTIN
                                           NULLPARAMETER:
                                           GETPRVLST : BLOCK [7]
                                                                                                   ! Argument block for $GETJPI
                                                                    INITIAL (WORD (8, JPIS_PROCPRIV),
                                                                                  NML$GQ_PROPRVMSK.
                                                                                  05:
                        0184
0185
0186
0187
0188
0189
0190
                                        Store version number of NICE being spoken from now on. Only major
                                        version numbers are distinguished.
                                     IF NULLPARAMETER(1)
                                                                                                  ! If no parameter specified,
                                     THEN
                                           BEGIN
                        0191
                                           CH$MOVE(3, nml$ab_nml_nmv,
                                                                                                   ! then default to current version
                        0192
0193
                                                              nml$gb_ncp_version);
                                           nml$gb_cmd_ver = nml$c_phase3_or_4; ! Use Phase III and IV NICE parsing tables
                        0194
0195
0196
0197
                                           END
                                    ELSE
                                           ! Validate the three byte version number supplied by the process attempting
```

```
NMLSENTRY
VO4-000
                                                                                                                                VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER: [NML.SRC]NMLENTRY.B32:1
                       Network Management Listener entry point NMLSINITIALIZE Initialization routine
                                                                                             15-Sep-1984 23:58:02
14-Sep-1984 12:50:08
   2023456789011234567890123456789
                                           to connect with NML.
                                       BEGIN
IF CHSRCHAR(.version) EQL 2
OR CHSRCHAR (.version) EQL 3
OR CHSGEQ(3, .version,
                                                                                               Allow V2.0.0
or allow V3.0.0
                                                                                               or current version (4.0) or higher.
                                                            3, nmlSab_nml_nmv, 0) THEN
                                              BEGIN
                                              CH$MOVE(3, version, ! U
nml$gb_ncp_version);
nml$gb_cmd_ver = nml$c_phase3_or_4;
                                                                                             ! Use specified (and validated) version
                                                                                                         ! Use Phase III and IV NICE parsing tables
                                        ELSE
                                              IF CH$RCHAR(.version) LSSU 2 THEN
                                                                                                         ! If less than V2.0.0 NICE, ! Then mark Phase II
                                                    nml$gb_cmd_ver = nml$c_phase2
                                                    RETURN ss$_badparam;
                                                                                                         ! Signal invalid NICE version #
                                        END:
                                      Get process privilege mask.
                                   $GETJPI (ITMLST = getprvlst);
                                     Initialize logging.
                                  nml initlog ();
RETURN ss$_normal;
                                  END:
                                                                                                            .TITLE NMLSENTRY Network Management Listener entry poi
                                                                                                            .IDENT \V04-000\
                                                                                                            .PSECT SOWNS, NOEXE, 2
                                                                                       00000 NML$GL_RESPONSE_RTN:
                                                                                       00004 NMLSB_PHZLINK:
                                                                                                            .BYTE
                                                                                       00005 NML$W_NICECHAN:
                                                                                                            BLKB
                                                                     0204 0008
                                                                                       00008 GETPRVLST:
                                                                                                           .WORD 8, 516
.ADDRESS NML$GQ_PROPRVMSK
.LONG 0, 0
.BLKB 12
                                                                        0000000G
                                                                                       00010
                                                          00000000
                                                                        00000000
                                                                                                                      NMLSGB_EVTSRCTYP
NMLSGQ_EVTSRCDSC
NMLSGW_EVTCLASS
NMLSGB_EVTMSKTYP
NMLSGQ_EVTMSKDSC
NMLSGW_EVTSNKADR
NMLSGW_ACP_CHAN
                                                                                                            .EXTRN
                                                                                                            EXTRN
                                                                                                            .EXTRN
                                                                                                            EXTRN
                                                                                                            EXTRN
                                                                                                            .EXTRN
```

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91

00018 0001E 00020 1\$: 00025 00027 2\$:

00000000G 00000000G 00000000G

00

02

04

04

NP VC

```
DISKSVMSMASTER: [NML.SRC]NMLENT

NML$GL_LOGMASK, NML$GQ_ENTSTRDSC

NML$AB_QIOBFFER

NML$GQ_QIOBFDSC

NML$AB_EXEBUFFER

NML$GQ_EXEBFDSC

NML$AB_RCVBUFFER

NML$AB_RCVBUFFER

NML$AB_SNDBUFFER

NML$AB_SNDBUFFER

NML$AB_CYDATLEN

NML$AB_CYDATLEN

NML$AB_ENTITY ID

NML$AB_PRM_DES, NML$AB_PRMSEM

NML$AB_PRM_DES, NML$GB_CMD_VER

NML$AB_ENTITY FORMAT

NML$GB_ENTITY FORMAT

NML$GB_ENTITY FORMAT

NML$GB_ENTITY ID

NML$GB_INFO, NML$GB_OPTIONS

NML$GB_INFO, NML$GB_INFO

NML$GB_INFO, NML$GB_INFO

NML$
  .EXTRN
   .EXTRN
   EXTRN
     EXTRN
    EXTRN
    EXTRN
    EXTRN
    EXTRN
    EXTRN
  EXTRN
EXTRN
EXTRN
    .EXTRN
    EXTRN
    EXTRN
    EXTRN
      EXTRN
     EXTRN
    .EXTRN
   .EXTRN
    .EXTRN
    .EXTRN
    EXTRN
   .EXTRN
   .EXTRN
    .EXTRN
    .EXTRN
    .EXTRN
    EXTRN
    EXTRN
   .EXTRN
   .EXTRN
   EXTRN
  .EXTRN
  .EXTRN
   .EXTRN
  .EXTRN
  .EXTRN
  .EXTRN
  .EXTRN
  .EXTRN
 .EXTRN
                                           SCODES, NOWRT, 2
 .PSECT
                                           NML$INITIALIZE, Save R2,R3,R4,R5,R6
NML$AB_NML_NMV, R6
NML$GB_CMD_VER, R5
NML$GB_NCP_VERSION, R4
 .ENTRY
                                                                                                                                                                                                                                                                                                            0144
MOVAB
 MOVAB
MOVAB
TSTB
                                              (AP)
                                                                                                                                                                                                                                                                                                             0188
BEQL
                                              4(AP)
BNEQ
 INSV
                                                                                                                                                                                                                                                                                                            0191
                                             NML$AB_NML_NMV, #0, #24, NML$GB_NCP_VERSION;
BRB
 CMPB
                                             aversion, #2
```

NMLSENTRY V04-000		Network Man	agement Lis IZE Initial	tener entry p	oint		15-Sep 14-Sep	-1984 23:58 -1984 12:50	:02 VAX-11 Bliss-32 V4.0-742 :08 DISK\$VMSMASTER:[NML.SRC]NMLENTRY.B32	Page (3)
		66	04	03 04 BC	0D BC 07 03	13 91 13 29	0002B 0002D 00031 00033	BEQL CMPB BEQL CMPC3 BLSSU INSV MOVB	3\$ aversion, #3 3\$ #3, aversion, nml\$ab_nml_nmv	020
	64	18		00 04 65	03 08 02 05	1F F0 90	00038 0003A 35: 00040 45:	BLSSU INSV MOVB	aversion, #0, #24, NML\$GB_NCP_VERSION #2, NML\$GB_CMD_VER 7\$	020 020 020 020
				02 04 65	8C 05 01	91 1E 90	00045 5\$: 00049 0004B	BRB CMPB BGEQU MOVB BRB MOVL	aversion, #2	021
				50	14	00	00050 65:	MOVL RET	#20, RO	021
				00000000	7E 7E 00 7E	7C 04 9F 7C	00054 7\$: 00056 00058 0005E	CLRQ CLRL PUSHAB CLRQ	-(SP) -(SP) GETPRVLST -(SP)	022
			00000000V	00 00 50	07 00 01	FB DO 04	00060 00062 00069 00070 00073	CLRL CALLS CALLS MOVL RET	-(SP) #7, SYS\$GETJPI #0, NML_INITLOG #1, R0	022 022 022
; Routine S	ize:	116 bytes,	Routine	Base: \$CODE	\$ +	0000				

```
Network Management Listener entry point 15-Sep-1984 23:58:02 NML$PROCESS_NICE Main command processing routin 14-Sep-1984 12:50:08
                                                                                   VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[NML.SRC]NMLENTRY.B32;1
                                                                                                                                                  VO
         *SBTTL 'NML $PROCESS_NICE
                                              Main command processing routine'
         GLOBAL ROUTINE NML$PROCESS_NICE (msg_desc, resp_rtn): NOVALUE =
                  This routine is the main command processing routine. NICE messages are parsed to determine the requested function and then the proper
                  routine is called to perform the function.
                  None - control is returned after the last response has been passed
                  to the action routine.
                           REF BLOCK [.BYTE]:
                                                       ! Address of descriptor
```

Log type code Message buffer address

BEGIN BUILTIN FP: MAP msg_desc: .fp = nml\$mainhandler: ! Enable condition handler nml\$gl_rcvdatlen = .msg_desc [dsc\$w_length]; ! Copy length of message ! Copy message itself

Message data length nml\$gl_response_rtn = .resp_rtn; ! Save address of response routine IF NOT nml\$parse_init() ! Parse received message THEN RETURN: ! Return on failure

IF nml\$v2_compatibility() ! Process V2 NICE if necessary THEN

RETURN: ! If it handled it, then exit SELECTONEU .nml\$gb_function ! Dispatch the function

[NMASC_FNC_REA]: NMLSREAD (): ! Read

NMLSENTRY VO4-000

Inputs:

Outputs:

0250

0266 0267 0268

0269

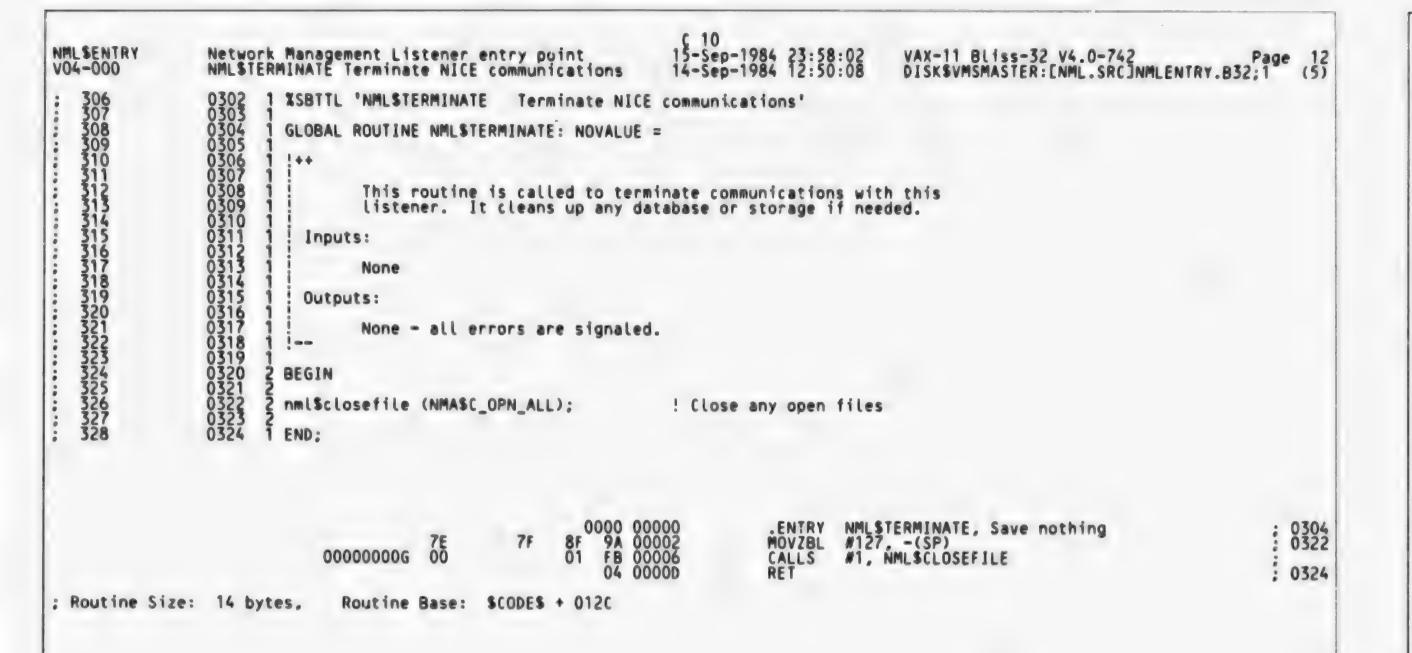
WML SENT	TRY		Net NML	work SPRO	Man	agement _NICE Ma	Lister in cor	ner e	ntry p	oint	g ro	utin 1	N 9 5-Sep-1 4-Sep-1	984 23:58 984 12:50	B:02 VAX-11 Bliss-32 V4.0-742 0:08 DISK\$VMSMASTER:[NML.SRC]NMLENTRY.B	Page 1(
288 289			028	5 2		ENMASC_	FNC_CI	:[Al	NML	SCHA	NGE	(); !	Change			
290 291			028 028	7 2		ENMASC_	FNC_ZE	RJ:	NML	.\$ZER	0 ()	; !	Zero			
288 289 2991 2993 2993 2996 2996 2996 3001 3003 304			028800289002990029900390039	9012		[NMASC NMASC NMASC NMASC	FNC_TEFNC_DU	S, A, II IMJ:	NML	.\$CAL	L_MO	M ();		Test Load Trigger Dump		
296			029	3 2		ENMASC_			NML	\$L00	P2 (); !	Loop (Phase II)		
299			029	9 5		ENMASC_ NMASC_	FN2_RE	A1.	A.1881	& DUA	ce 3	/\. !	Read (Phase II Phase II)	SHOW)	
301			029	8 2		[OTHERW		; LN		SPHA.			C_STS_M			
303 304			030	0 2	END	TES:	1003.		(4) (2	• Enn	OK_1	(INITA)	C_313_H	rk,		
														.PSECT	\$PLIT\$, NOWRT, NOEXE, 2	
72	50	65	67	61	73	73 65 00 00	6D 3	0 4	5 43	49	4E 63	00000 0000F	P.AAB:	.ASCII	\NICE message received\<0><0><0>	•
									0	10E0 0000	015 000°	00018 00010	P.AAB: P.AAA:	.LONG .ADDRES	17694741 SS P.AAB	•
														.PSECT	\$CODE\$, NOWRT, 2	
							60	000	00000v	00	007C 9E	00002		.ENTRY	NML\$PROCESS_NICE, Save R2,R3,R4,R5,R6 NML\$MAINHANDLER, (FP)	0230 0257 0259
		0	0000	000G	00	0000000	0G 00		04	AC	00 30	00009		MOVZUL	MSG_DESC, R6 (R6), NML\$GL_RCVDATLEN	•
			0000	0000	00	V	4 BC	0000	00000	00	3C 28 9F 3C	00010		PUSHAB	(R6), 34(R6), NML\$AB_RCVBUFFER P.AAA (R6), -(SP) 4(R6)	0261 0267
									04	A6 7E	00	00026		PUSHL	=(SB)	0266 0265
						0000000	0.00		08	6660666764C0500000000000000000000000000000000000	DD 04 FB DO FB E9 FB	0002B 00032		MOVZWL MOVC3 PUSHAB MOVZWL PUSHL CLRL CALLS MOVL CALLS BLBC CALLS BLBS MOVZBL CMPB	#4, NML\$DEBUG MSG RESP RTN, NML\$GL RESPONSE_RTN #0, NML\$PARSE_INIT R0, 7\$ #0, NML\$V2_COMPATIBILITY	0270 0272
						0000000	73			00 50	FB E9	0003A 00041		BLBC	#0, NMLSPARSE_INIT	
						0000000	0G 00 69 52	000	00000	50	F B E 8	00044 0004B		BLBS	RO, 78	0276
							14	0000	000006	52	E8 9A 91	00055		CWBB	RO, 78 NML\$GB FUNCTION, R2 R2, #20 1\$	0280 0283
						0000000	06 00)		00	FB 04	0005A		BNEQ CALLS RET	NO, NMLSREAD	
							13	3		52 08 00	91	00000 00014 0001b 00023 00026 00029 00032 00038 00041 00044 00048 00048 00065 00065 00067 00067	15:	CMPB	R2, #19 2\$	0285
						0000000					FB 04 91	00067 0006E		RET	#0, NMLSCHANGE	
							15			52 08	91	0006F 00072	28:	CMPB BNEQ	R2. #21 38	0287

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NMLSENTRY V04-000	Network Management Lis NML\$PROCESS_NICE Main	tener e	ntry point processing	roi	utin 1	B 10 5-Sep 4-Sep	-1984 23:58 -1984 12:50	:02	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[NML.SRC]NMLEN	Page 11 TRY.B32;1 (4)
	00000000G	00	00	FB	00074 0007B		CALLS	#0,	NML\$ZERO	;
		OF	52	91	00076	3\$:	RET	R2.	#15	0289
		12	52 52	91	00071		CMPB BLSSU CMPB BGTRU CALLS	R2,	#15 #18 NML\$CALL_MOM	•
	0000000G	00	52 08 00	FB	00084		CALLS	#0 ,	NML\$CALL_MOM	0292
		05	52	91	0008E	48:	CMPB	R2.	#5	0294
	00000000v	00	52 08 00	FB	00091		CMPB BNEQ CALLS	#0 ,	M5 NML\$LOOP2	
		80	52	91	0009B	58:	RET CMPB BLSSU CMPB BGTRU	R2.	#8	0296
		09	52 00 52 08 00	91	00046		CMPB	R2.	NB N9 NML\$PHASE2	•
	0000000v	00	00	FB	000A5		CALLS	#0 ,	NML\$PHASE2	0297
	000000006	7E 00	05 01	O4 CE FB	000AC	65:	MNEGL CALLS		-(SP) NML\$ERROR_1	0299
		30	•	04	000B7	75:	RET			: 0301

Routine Base: \$CODE\$ + 0074

; Routine Size: 184 bytes,



NM VO

```
NMLSENTRY
                        Network Management Listener entry point NML_INITLOG Initialization debug logging
                                                                                                  15-Sep-1984 23:58:02
14-Sep-1984 12:50:08
                                                                                                                                      VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[NML.SRC]NMLENTRY.B32;1
                       *SBTTL 'NML_INITLOG Initialization debug logging'
    ROUTINE NML_INITLOG: NOVALUE =
                                                This routine initializes the internal logging flags for NML debugging. The logical name NML$LOG is translated to get the flag settings. Also, if the logical name NML$WATCHER translates, log all NICE messages received and sent by NML. Useful for keeping a running log of all network management changes done on a node for as long as NML$WATCHER is defined.
                                       Inputs:
                                                None
                                       Outputs:
                                                None
                                    BEGIN
                                       Set internal logging flags if NML$LOG is defined.
                                    NML$TRNLOGNUM ($ASCID ('NML$LOG'), NML$GL_LOGMASK);
                        0356
0357
0358
0359
0360
0361
0362
0363
0364
0365
                                       If the NPARSE logging flag is set then set it in the NPARSE data area.
                                    IF .NML$GL_LOGMASK [DBG$C_NPARSE]
                                    THEN
                                          NPASGL_LOGMASK = 1
                                          NPA$GL_LOGMASK = 0;
                        0366
0367
0368
0369
0370
0371
0372
0373
0374
0375
0376
                                       Log contents of permanent data base files.
                                    NML$LOGALLPDB ();
                                         If the logical name NML$WATCHER translates, log all NICE
                                        messages received and sent by NML. Useful for keeping a running log
                                         of all network management changes done on a node for as long as
                                         NMLSWATCHER is defined.
                                    $ASSIGN (DEVNAM = NML$GQ_WATCHER DSC.
                                                  CHAN = NMLSGW_WATCHER_CRAN);
                                    END:
```

NM VO

NMLSENTRY V04-000	Network Man NML_INITLOG	agement Lis Initialia	sten Patio	er entry p on debug l	oint oggir	g	1	10 5-Sep-19 4-Sep-19	84 23:58 84 12:50	:02 VAX-11 BLISS-3 :08 DISK\$VMSMASTER	32 v4.0-742 Page R:[NML.SRC]NMLENTRY.832;1	(6)
									.PSECT	SPLITS, NOWRT, NOEXE, 2		
		47 46	4 (4D 00000 00000	4E 07 00°	00020 00027 00028 0002C		.ASCII .BLKB .LONG .ADDRESS			
									.PSECT	SYS\$ASSIGN \$CODE\$,NOWRT,2		
			53 52	000000006 000000006	• •		00002	NML_INI	.WORD MOVAB MOVAB	Save R2,R3 NML\$GL_LOGMASK, R3 NPA\$GL_LOGMASK, R2		0327
	05	00000000G	00 63 62	00000000	00500212200E004	9E D P F E D D 1 1	00010 00012 00018 0001F 00023 00026		PUSHAB CALLS BBC MOVL	R3 P.AAC #2, NML\$TRNLOGNUM #2, NML\$GL_LOGMASK, #1, NPA\$GL_LOGMASK		0353 0359 0361
		00000000G	00	000000006	62 00 7E 00	D4 FB 7C 9F	00031	1\$: 2\$:	CLRL CALLS CLRQ PUSHAB	NPASGL LOGMASK #0, NMESLOGALLPDB -(SP)		0363 0369 0379
		0000000G	00	00000006	00	9F FB 04	00039 0003F 00046		PUSHAB CALLS RET	NML\$GW_WATCHER_CHAN NML\$GQ_WATCHER_DSC #4, SYS\$ASSIGN		0380

NP VC

```
F 10
15-Sep-1984 23:58:02
14-Sep-1984 12:50:08
NMLSENTRY
VO4-000
                    Network Management Listener entry point
NML$SEND Send NICE response to caller
                                                                                                               VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[NML.SRC]NMLENTRY.B32;1
                              *SBTTL 'NML$SEND Sand NICE response to caller'
   GLOBAL ROUTINE NML$SEND (BUFADR, BUFLEN) =
                              1++
                                        This routine sends NICE protocol status messages back to the NICE caller.
                                 Inputs:
                    0391
0392
0393
                                                            Address of the buffer to be transmitted.
                                        bufadr
                                        buflen
                                                            Length of the buffer in bytes.
                    0394
                    0395
                                        nml$gl_response_rtn Channel assigned to the command process link.
                    0396
0397
                                Outputs:
                    0398
                    0399
                                        Returns success. Errors are signalled.
                    0400
0401
0402
0403
                              BEGIN
                    0404
0405
0406
0407
                              LOCAL
                                   desc:
                                                  VECTOR [2]:
                                                                                ! Descriptor of response message
                              nml$debug_msg(dbg$c_netio, bufadr,
                                                                                Log message transmitted
                    0408
                                                 .buflen, XASCID 'NICE message transmitted');
                    0409
                    0410
                    0411
                    0412
0413
0414
0415
0416
0417
                              desc [0] = .buflen;
desc [1] = .bufadr;
                                                                                 ! Setup descriptor of response
                              (.nml$gl_response_rtn) (desc);
                                                                                ! Call caller's response action routine
                              RETURN true;
                                                                                ! Return successful
                              END:
                                                                                             .PSECT $PLIT$, NOWRT, NOEXE, 2
                                                               49 4E
6E 61
010E0018
00000000
                                                                           00030 P.AAF:
72 74 20
                  67 61
              65
                                                                                             .ASCII \NICE message transmitted\
                                                                           00048 P.AAE:
                                                                                             . LONG
                                                                                                       17694744
                                                                                              ADDRESS P.AAF
                                                                                             .PSECT $CODE$, NOWRT, 2
                                                                                             ENTRY
SUBL 2
                                                                                                       NMLSSEND, Save nothing
                                                                                                                                                                 0383
                                                                                                       #8, SP
P. AAE
                                                                                                                                                                 0409
                                                     000000000
                                                                                             PUSHAB
                                                 7E
                                                                                             PVOM
                                                                                                       BUFADR, -(SP)
```

V04-000 NML	SSEND Send NICE	stener entry por response to cal	int	15-Sep 14-Sep	-1984 23:58: -1984 12:50:	02 VAX-11 BLiss-32 V4.0-74	2 JNMLENTRY.B32;1 (7)
	000000006 04	00 6E 08 04 50 000000000000000000000000000000000	7E 04 AC 00 501	D4 0000F F8 00011 D0 00018 D0 0001C D0 00021 DD 00028 F8 0002A D0 0002D 04 00030	MOVL MOVL MOVL	-(SP) #4, NML\$DEBUG_MSG BUFLEN, DESC BUFADR, DESC+4 NML\$GL_RESPONSE_RTN, RO SP #1, (RO) #1, RO	0407 0412 0413 0415

```
H 10
15-Sep-1984 23:58:02
14-Sep-1984 12:50:08
NMLSENTRY
VO4-000
                    Network Management Listener entry point NML$LOOP2 Phase II passive loopback
                                                                                                                 VAX-11 Bliss-32 V4.0-742 Pag
DISKSVMSMASTER: [NML.SRC]NMLENTRY.B32; 1
                               %SBTTL 'NML$LOOP2 Phase II passive loopback'
   ROUTINE NML$LOOP2 : NOVALUE =
                                 FUNCTIONAL DESCRIPTION:
                                         This routine acts as the phase II loopback mirror.
                                 FORMAL PARAMETERS:
                                         NONE
                                 IMPLICIT INPUTS:
                                         NMLSAB_RCVBUFFER contains the received message.
                                         NML$GL_RCVDATLEN contains the length of the received data.
                                 IMPLICIT OUTPUTS:
                                         NML$AB_RCVBUFFER is altered.
                                 ROUTINE VALUE:
                                 COMPLETION CODE:
                                         NONE
                                 SIDE EFFECTS:
                                        Signals response message.
                                   BEGIN
                                 Make sure that it is a valid loopback message.

If it is valid then set message header to 1 and send message
                                 else set message header to -1 and send message.
                                   IF .(NML$AB_RCVBUFFER + 1)<0,8,0> EQL 0 THEN
                                         BEGIN
                                         (NML$AB_RCVBUFFER + 1)<0.8.0> = 1;
$SIGNAL_MSG (NML$AB_RCVBUFFER + 1, .NML$GL_RCVDATLEN - 1);
                                         END
                                    ELSE
                                         BEGIN
                                         (NML$AB_RCVBUFFER + 1)<0,8,0> = -1;
$SIGNAL_MSG (NML$AB_RCVBUFFER + 1, 1);
                                         END:
                                    END:
                                                                                  ! End of NML$LOOP2
```

VC

NMLSENTRY V04-000	Network Management Lis NML\$LOOP2 Phase II pa	tener entry po ssive loopback	int	1	1 10 5-Sep- 4-Sep-	1984 23:51 1984 12:50	8:02	VAX-11 Bliss-32 V4.0-742 DISK\$VMSMASTER:[NML.SRC]NMLENTRY.B3	Page 18 52;1 (8)
		52 00000000G	000	04 00000 05 00009	NMLSL	OOP2: .WORD MOVAB ISIB	Save NMLSA NMLSA	R2 BBRCVBUFFER+1, R2 BBRCVBUFFER+1	: 0422
	7E 00000000G	62 00 62	01 01 05 01	0000B 00000D 300010 1100018 BE 0001A	18:	WORD MOVAB TSTB BNEQ MOVB SUBL3 BRB MNEGB PUSHL	#1, N #1, N 28	IML\$AB_RCVBUFFER+1 IML\$GL_RCVDATLEN, -(SP) IML\$AB_RCVBUFFER+1	0463 0464 0470 0471
	000000006	01F90000	52 1 8F	00 0001F 00 00021 FB 00027 04 0002E	2\$:	PUSHL PUSHL CALLS RET	R2 #3309 #3, L	95680 .1B\$SIGNAL	047

; Routine Size: 47 bytes, Routine Base: \$CODE\$ + 01B2

```
J 10
15-Sep-1984 23:58:02
14-Sep-1984 12:50:08
NMLSENTRY
VO4-000
                      Network Management Listener entry point NMLSPHASE2 Routine which connects to NICE
                                                                                                                           VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[NML.SRC]NMLENTRY.B32;1
                                 *SBTTL 'NML$PHASE2 Routine which connects to NICE'
   ROUTINE NML$PHASE2 : NOVALUE =
                      0480
0481
0483
0483
0484
0486
0487
0488
0489
0491
0493
                                   FUNCTIONAL DESCRIPTION:
                                             This routine passes PHASE2 commands to the NICE object and
                                            returns to the command process, the responses from the NICE object
                                    FORMAL PARAMETERS:
                                            NONE
                                    IMPLICIT INPUTS:
                                             NALSW_NICECHAN NICE object channel.
                      0494
0495
0496
0497
0498
0499
0500
0501
0502
0503
                                    ROUTINE VALUE: COMPLETION CODE:
                                             All errors are signalled. Otherwise the value NML$_STS_SUC is
                                            returned.
                                    SIDE EFFECTS:
                                    NONE
                     0504
0505
0506
0507
0508
0509
0510
0511
0512
0514
0515
0516
0517
0518
                                      BEGIN
   514
515
                                      LITERAL
   SNDBUFSIZE = 256:
                                      LCCAL
                                            COUNT
                                                                                           Contains number of data messages received from NICE task
                                                          : WORD.
                                            STATUS,
RCV 10SB : $10SB,
XMIT_10SB : $10SB;
                                    Connect information for NICE object for Phase 2 processing.
                                      BIND
                                            NICEOBJECTOSC = $ASCID ('::"TASK=NMLPH2") : DESCRIPTOR;
                                    If Phase 2 command process then attempt to connect to NICE object.
                      0524
0525
0526
0527
0528
0529
                                       IF .NMLSB_PH2LINK
                                       THEN
                                            BEGIN
                                            STATUS = $ASSIGN (CHAN = NML$W NICECHAN, DEVNAM = NICEOBJECTDSC);
                                             IF NOT .STATUS
                                             THEN
                                                  NMLSERROR_1 (NMASC_STS_RES);
```

NP VO

```
15-Sep-1984 23:58:02
14-Sep-1984 12:50:08
NMLSENTRY
VO4-000
                     Network Management Listener entry point NMLSPHASE2 Routine which connects to NICE
                                                                                                                   VAX-11 Bliss-32 V4.0-742 Pag
DISKSVMSMASTER:[NML.SRC]NMLENTRY.B32;1
   END:
                                  Attempt to transmit Phase II command to NICE.
                                    STATUS = $QIOW (CHAN = .NML$W_NICECHAN,
FUNC = IO$_WRITEVBLK,
IOSB = XMIT_IOSB,
                                                               = NMLSAB RCVBUFFER,
= .NMLSGE_RCVDATLEN);
                                    IF .STATUS
                  STATUS = .XMIT_IOSB [IOS$W_STATUS];
                                     IF NOT .STATUS
                                    THEN
                                         NML$ERROR_1 (NMA$C_STS_RES);
                                  If transmit was successful then post read to NICE
                                    STATUS = $QIOW (CHAN = .NML$W_NICECHAN,
func = IO$_REĀDVBLK,
IOSB = RCV_IOSB,
P1 = NML$AB_SNDBUFFER,
P2 = SNDBUF$IZE);
                                    IF .STATUS
THEN
                                         STATUS = .RCV_10SB [10S$W_STATUS];
                                    IF NOT .STATUS THEN
                                         NML$ERROR_1 (NMA$C_STS_RES);
                                  If receive was successful then send received NICE message
                                  to requestor of command.
                                    STATUS = NML$SEND (NML$AB_SNDBUFFER, .RCV_15SB [IOS$W_COUNT]);
                                  If send was successful then continue reading data messages
                                    IF NOT .STATUS THEN
                                         NML$ERROR_1 (NMA$C_STS_RES);
                                    IF .RCV_10SB [10S$W_COUNT] LSSU 3
                                         COUNT = 0
                                    ELSE
                                         COUNT = .(NML$AB_SNDBUFFER+1)<0,16,0>;
                                    DECR I FROM .COUNT-1 TO 0 DO BEGIN
                                         STATUS = $QIOW (CHAN = .NML$W_NICECHAN,
```

NI V

NML SENT V04-000	RY	Network Ma	nagement List Routine whi	ener entry poich connects t	int to NICE	L 10 15-Sep-1984 23:5 14-Sep-1984 12:5	8:02 VAX-11 Bliss-32 V4.0-742 0:08 DISK\$VMSMASTER:[NML.SRC]	Page 21 INMLENTRY.B32;1 (9)
598 599 600 600 600 600 600 600 600 600 600 6		P 0590 P 0591 0592 0593 0594 0595 0596 0597 0599 0601 0603 0604 0606 0607 0608 0609 0611 0612 0613 0614 0615	IF NOT THEN NML STATUS IF NOT THEN	TUS = .RCV_IO .STATUS .SERROR_1 (NMAS = NMLSSEND (N .STATUS .SERROR_1 (NMA	= NML SAB	NDBUFFER, (E); ATUS]; FFER, (COUNT));	oc k	
22 32	48 50	4C 4D 4E	3D 4B 53	41 54 22 00 00	0005	O P.AAG: .LONG	\::'TASK=NMLPH2''\ 15 SS P.AAH SYS\$QIOW	* * * * * * * * * * * * * * * * * * *
			00000000G	58 57 000000000 56 0000000006 54 0000000006 54 0000000000	01FC 0000 00 9E 0000 00 9E 0000 00 9E 0001 10 C2 0002 A6 E9 0002 7E 7C 0002 56 DD 0002 00 9F 0002 00 9F 0003 50 DO 0003 52 E8 0003 0F CE 0004	NML\$PHASE2: .WORD MOVAB MOVAB MOVAB MOVAB MOVAB MOVAB SUBL2 BLBC CLRQ PUSHL PUSHAB CALLS MOVL BLBS MOVL BLBS MOVL	Save R2.R3.R4.R5.R6.R7.R8 NML\$SEND, R8 SYS\$QIOW, R7 NML\$W NICECHAN, R6 NML\$AB_SNDBUFFER, R5 NML\$ERROR_1, R4 #16. SP NML\$B_PH2LINK, 1\$ -(SP) R6 NICEOBJECTDSC #4. SYS\$ASSIGN R0. STATUS STATUS STATUS. 1\$ #15, -(SP)	0478 0524 0529

NI V

NP

			14 369	1704 12170	PISKANISHMETEN FUNE SACTURE ENTRY (825, 1	(7)
64		01 FE	00043	CALLS	#1 NMLSERROR_1 -(\$P)	
		7E 76 7E 76 7E 76 00 Dt 00 91 7E 76 AE 91 30 Dt 66 36	00046 18: 00048 0004A 00050	CLRQ	-(SP)	. 0542
	0000000G	OO DE	0004A	PUSHL	NMLSGL RCVDATI FN	
	0000000G	00 9	00050	PUSHAB	NML\$AB_RCVBUFFER -(SP)	
	20	AE 9	00058	CLRQ PUSHAB	XMIT_10SB	
		30 DC	0005B	PUSHL	#46	
7E		66 30 7E D4	00050	MOVZWL	NML\$W_NICECHAN, -(SP) -(SP)	
67		OC FE	00060	CALLS	#12 SYS\$010H	
67 52 06 52 64		0C FE 50 D0 52 E9 6E 30 52 E8 0F CE 01 FE 7E 70	00065	MOVL	#12, SYS\$QIOW RO, STATUS STATUS, 2\$ XMIT IOSB, STATUS STATUS, 3\$ #15, -(SP) #1, NML\$ERROR_1	
06		52 ES	00068	BLBC	STATUS, 28	0544
26		6E 30	0006B	MGVZWL	XMIT IOSB, STATUS	: 0546
ŽĔ		OF CE	0006E 00071 2\$:	BLBS	#15(SP)	0546 0548 0550
64		01 FE	00074	CALLS	#1 NMLSERROR_1 -(\$P)	:
		7E 70	00077 35:	CLRQ	-(3F)	: 0558
7E	0100	7E 70	0007B	CLRQ MOVZWL	-(SP) #256, -(SP)	
		55 DC	08000	PUSHL	R5	
	20	7E 70	00082	CLRQ	-(SP)	
	28	7E 70 7E 70 8F 30 55 DE 7E 70 AE 9F 31 DE	00084	PUSHAB	RCV_IOSB	
7E		66 30	00089	MOVZWL	MMI RU NICCCUAN -(CD)	:
47		7E D4	6 0008C	CLRL	-(SP) #12, SYS\$QIOW R0, STATUS STATUS, 4\$ RCV_IOSB, STATUS STATUS, 5\$ #15, -(SP) #1, NML\$ERROR_1	
52		0C FE 50 DC 52 ES AE 3C 52 E8	0008E	MOVL	W12, SYSSQIOW	
ÓŽ		52 E9	00091	BLBC	STÁTUS. 4\$: 0560
52	80	52 E9	00097	MOVZWL	RCV_10SB, STATUS	0560 0562 0564
67 52 07 52 06 7E 64 7E		52 E8	0009B 0009E 4\$:	BLBS	STATUS. 5\$: 0564
64		OF CE	0004E 45:	CALLS	#1. NML SERROR 1	0566
7E	0A		: 000A4 5\$:	CALLS	KLY 103B+2, -(3F)	0572 0571
4.0		AE 30 55 DE 02 FE 50 DE 52 E8		PUSHL	R5	: 0571
68 52 06		02 FE		CALLS MOVL	#2, NML\$SEND	•
06			3 000B0	BLBS	RO, STATUS STATUS, 6\$	0576
7E		OF CE	000B3	MNEGL	#15, -(SP)	0578
7E 64 03	OA	O1 FE		CALLS	#1, NML\$ERROR_1 RCV_IOSB+2, #3	0580
03	UA.	04 1E	000BD	BGEQU	7\$	0,000
		50 B4	000BF	CLRW	COUNT	0582
50	01	04 11	00001	BRB	8\$ NML\$AB_SNDBUFFER+1, COUNT	0584
50 53	01	AS BO 50 30 42 11 7E 70 7E 70	00007 85:	MOVZWL	COUNT . T	0586
		42 11	000CA 000CC 98:	BRB	12\$ -(SP)	
		/E /(000CC 9\$:	CLRQ	-(SP) -(SP)	0593
7E	0100	8F 30	00000	MOVZWL	#256, -(SP)	
	0.00	7E 70 7E 70 8F 30 55 D0 7E 70	000CE 00000 00005 00007	PUSHL	R5	
	20	7E 70	00007	CLRQ	-(SP)	
	28	8F 30 55 DD 7E 70 AE 9F 31 DD		PUSHAB	RCV_IOSB	
7E		66 30	: 000DE	MOVZWL	NMLSW NICECHAN, -(SP)	
		7E D4	000E1	CLRL	-(SP)	
67		OC FE	3 000E3	CALLS	#12, SYS\$QIOW	

NMLSENTRY V04-000	Network Man	nagement Listener (Routine which co	entry po nnects t	int o NI	CE	15 14	10 -Sep-1 -Sep-1	984 23:58 984 12:50	:02 VAX	(-11 Bliss-32 V4 SK\$VMSMASTER:[NM	.0-742 Page L.SRCJNMLENTRY.B32;1	23
		52 07 52 06 7E 64 7E 68 52 06 7E 64 8B	08 0A	502E2F01E5202F03	PCBEBCDBOBEB	000FD 000FF 00102 00105 00108 0010B	10\$: 11\$:	MOVL BLBC MOVZWL BLBS MNEGL CALLS MOVZWL PUSHL CALLS MOVL BLBS MNEGL CALLS SOBGEQ RET	RO STATU STATUS, 1 RCV IOSB STATUS, 1 #15, -(SP #1, NMLSE RCV_IOSB+ RS #2, NMLSS RO, STATU STATUS, 1 #15, -(SP #1, NMLSE I, 9\$	STATUS 15 ERROR 1 2, -(SP) SEND US		0595 0595 0601 0604 0608 0608

; Routine Size: 274 bytes. Routine Base: \$CODE\$ + 01E1

```
8 11
15-Sep-1984
14-Sep-1984
                     Network Management Listener entry point NML$MAINHANDLER Condition handler routine
NML SENTRY
                                                                                                                      VAX-11 Bliss-32 V4.0-742 Page 24 DISK$VMSMASTER:[NML.SRC]NMLENTRY.B32;1 (10)
V04-000
                     0616
0617
0618
0619
   *SBTTL 'NML$MAINHANDLER Condition handler routine'
                                GLOBAL ROUTINE NMLSMAINHANDLER (SIGNAL_VEC, MECHANISM) =
                     062234567890123456789006622456789006623456789006655567890066555678900665556789006655567890066644678901234567890
                                  FUNCTIONAL DESCRIPTION:
                                           This is the condition handler routine for NML.
                                  FORMAL PARAMETERS:
                                           SIGNAL VEC
MECHANISM
                                                                Signal vector block.
                                                                Mechanism vector argument block.
                                   IMPLICIT INFUTS:
                                           NONE
                                   IMPLICIT OUTPUTS:
                                           NONE
                                   ROUTINE VALUE:
                                   COMPLETION CODES:
                                           NONE
                                  SIDE EFFECTS:
                                          NONE
   655
   656
   658
                                     BEGIN
   659
   660
                                          SIGNAL VEC : REF BBLOCK, MECHANTSM : REF BBLOCK;
   661
                                                                                        Signal vector arg
   662
                                                                                        Mechanism vector arg
                                     LOCAL
                                          BUF_ADR,
BUF_LEN,
STS_CODÉ : BBLOCK [4];
   665
                                                                                         Temporary buffer address
   666
                                                                                         Temporary buffer length
                                                                                        Status code
   668
669
670
                                     STS_CODE = .SIGNAL_VEC [CHF$L_SIG_NAME]; ! Get signal status code
                     0661
0662
0663
                                  Facility code must match the one for NML.
                                     IF .STS_CODE [STS$V_FAC_NO] EQLU NML$K_FAC_CODE
                     0664
0665
0666
                                           BEGIN
   676
                     0667
                     0668
                                  Two arguments are required for NML conditions.
                     0669
0670
0671
                                           IF .SIGNAL_VEC [CHF$L_SIG_ARGS] NEQU 2+3
                                           THEN
   680
```

0672

RETURN SS\$_RESIGNAL

NM VO

```
NMLSENTRY
V04-000
                       Network Management Listener entry point NML$MAINHANDLER Condition handler routine
                                                                                                                                VAX-11 Bliss-32 V4.0-742 Page 25 DISK$VMSMASTER:[NML.SRC]NMLENTRY.B32;1 (10)
    682
683
684
686
687
688
691
693
693
695
                                               ELSE
                       0673
0674
0675
0676
0677
0687
0681
0683
0683
0684
0688
0688
0688
0689
                                                     BEGIN
                                                    BUF_ADR = .SIGNAL_VEC [CHF$L_SIG_ARG1];
BUF_LEN = .(SIGNAL_VEC [CHF$L_SIG_ARG1]+4);
                                      If a message is specified (length not equal 0) then send it.
                                                     IF .BUF_LEN NEQU O
                                                     THEN
                                                          NML$SEND (.BUF_ADR, .BUF_LEN); ! Send status message
                                                    MECHANISM [CHF$L_MCH_SAVRO] = 0;
    696
697
                                      Unwind back to the routine that set up the condition hanlder and continue
                                      from there.
    698
    699
700
                                                     SUNWIND (DEPADR = MECHANISM [CHF$L_MCH_DEPTH]);
                       0691
                                                     RETURN SS$_CONTINUE
    701
    702
703
704
705
706
707
                                                    END:
                                              END
                       0695
                                         ELSE
                                      This condition was not signalled by NML so let it go by.
    708
709
710
                                              RETURN SS$_RESIGNAL
                       0700
                       0701
                                         END:
                                                                                             ! End of NML$MAINHANDLER
                                                                                                            .EXTRN
                                                                                                                        SYS$UNWIND
                                                                                       00000
                                                                                                                       NML$MAINHANDLER, Save nothing SIGNAL_VEC, RO 4(RO), STS_CODE #16, #12, STS_CODE, #505
                                                                                0000
                                                                                                             .ENTRY
                                                                                                                                                                                           0618
                                                         50
51
00
                                                                                                                                                                                           0660
                                                                                                            MOVL
                                                                                   DO
ED
12
                                                                             A001260A0090550A02001
                                                                                        00006
                                                                                                            MOVL
                                    51
000001F9
                                                                                                            CMPZV
                                                                                                                                                                                           0664
                                                                                                            BNEQ
                                                         05
                                                                                                                        (RO), #5
                                                                                                                                                                                           0670
                                                                                                            CMPL
                                                                                                            BNEQ
                                                                                                                       8(RO), BUF ADR
12(RO), BUF LEN
1$
                                                         51
                                                                      80
                                                                                   DO
DO
13
                                                                                                                                                                                           0676
0677
                                                                                                            MOVL
                                                                                                            MOVL
                                                                                                                                                                                           0681
                                                                                                            BEQL
                                                                                                                       BUF_LEN
BUF_ADR
#2, NML$SEND
                                                                                                            PUSHL
                                                                                   DD
                                                                                   DD
                                                                                                            PUSHL
                                                                                   FB 00 04 04 9F
                                              FE61
                                                         CF
50
                                                                                                            CALLS
                                                                      08
                                                                                                                        MECHANISM, RO
                                                                                                                                                                                           0685
                                                                                                            MOVL
                                                                                                                        12(RO)
                                                                                        00031
                                                                                                            CLRL
                                                                                        00034
                                                                                                                                                                                           0690
                                                                                                            CLRL
                                                                                                                        -(SP)
                                                                      08
                                                                                                            PUSHAB
                                                                                                                        8(RO)
                                                                                                                       #2. SYSSUNWIND
                                         0000000G
                                                         00
50
                                                                                                            CALLS
                                                                                       00040
                                                                                   04
                                                                                                                                                                                           0691
                                                                                                            MOVL
                                                                   0918
                                                         50
                                                                                                            MOVZWL
                                                                                                                       #2328, RO
                                                                                                                                                                                           0701
```

VC

Network Management Listener entry point NML\$MAINHANDLER Condition handler routine NMLSENTRY VO4-000

; Routine Size: 74 bytes, Routine Base: \$CODE\$ + 02F3

D 11 15-Sep-1984 23:58:02 VAX-11 BLiss-32 V4.0-742 Page 26 14-Sep-1984 12:50:08 DISK\$VMSMASTER:[NML.SRC]NMLENTRY.B32;1 (10)

: 711

0702 1

NI V

NP VC	713 714	Network Management Li NML\$MAINHANDLER Cond 0703 1 END 0704 0 ELUDOM	stend	er entry point n handler routi	ine	E 11 15-Sep-198 14-Sep-198 ! End of a		8:02 0:08	VAX-11 Bliss-32 V4.0-742 Page 27 DISK\$VMSMASTER:[NML.SRC]NMLENTRY.B32;1 (11)
							.EXTRN	LIBS	SSIGNAL
:	Name	Byte		ECT SUMMARY		Attributes			
•	SOWNS SCODES SPLITS		36 829 104	NOVEC, WRT, NOVEC, NOWRT, NOVEC, NOWRT,	RD RD RD	,NOEXE,NOSHR, EXE,NOSHR, NOEXE,NOSHR,	LCL.	REL. REL. REL.	CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2) CON, NOPIC, ALIGN(2)
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	_\$255\$DUA28 _\$255\$DUA28 _\$255\$DUA28	:[NML.OBJ]NMLLIB.L32:1 :[SHRLIB]NMALIBRY.L32:1 :[SYSLIB]STARLET.L32:1		341 887 9776	32 13 21	9 1 0	27 47 581		00:00.1 00:00.2 00:02.2
:			cc	OMMAND QUALIFIE	RS				
:	BLISS/	CHECK=(FIELD,INITIAL,OP	TIMIZ	E)/LIS=LIS\$:NM	LENT	RY/OBJ=OBJ\$:NM	LENTRY	MSRC\$	S:NMLENTRY/UPDATE=(ENHS:NMLENTRY)
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